
ICS 29.020; 91.120.40

English Version

**Lightning protection system components (LPSC) - Part 2:
Requirements for conductors and earth electrodes
(IEC 62561-2:2018/COR1:2019)**

Composants des systèmes de protection contre la foudre
(CSPF) - Partie 2: Exigences pour les conducteurs et les
électrodes de terre
(IEC 62561-2:2018/COR1:2019)

Blitzschutzsystembauteile (LPSC) - Teil 2: Anforderungen
an Leiter und Erder
(IEC 62561-2:2018/COR1:2019)

This corrigendum becomes effective on 20 September 2019 for incorporation in the English language version of the EN.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Endorsement notice

The text of the corrigendum IEC 62561-2:2018/COR1:2019 was approved by CENELEC as EN IEC 62561-2:2018/AC:2019-09 without any modification.

INTERNATIONAL ELECTROTECHNICAL COMMISSION
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

IEC 62561-2
Edition 2.0 2018-01

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Édition 2.0 2018-01

**LIGHTNING PROTECTION SYSTEM
COMPONENTS (LPSC) –**

**COMPOSANTS DES SYSTÈMES DE PROTECTION
CONTRE LA FOUDRE (CSPF) –**

**Part 2: Requirements for conductors and earth
electrodes**

**Partie 2: Exigences pour les conducteurs et les
électrodes de terre**

C O R R I G E N D U M 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

4 Requirements

4.1 General

In the third paragraph, replace "A summary" with "Summaries".

4.4.4 Earth conductors and earth plates

In the second paragraph, replace "and 5.2.4." with ", 5.2.4, 5.2.5 and 5.2.6."

5.2 Conductors, air-termination rods, earth lead-in rods and earth electrodes (except earth rods)

Replace the title of 5.2 with the following new title:

5.2 Air termination conductors, air-termination rods, earth lead-in rods, earth conductors and earth plates

5.2.1 General

In the first paragraph, replace "electrodes" with "conductors and earth plates".

After the first paragraph, add the following new paragraph:

Earth electrodes shall be subjected to the tests according to Annex D.

In the last paragraph, replace "Conductors" with "Air-termination conductors" and replace "and earth electrodes (except earth rods)" with ", earth conductors and earth plates".

5.2.2 Test for thickness of coating

5.2.2.1 General conditions for tests

In the second and third paragraphs, replace "conductor" with "specimen".

5.2.2.2 Acceptance criteria

At the end of the first sentence, add the following new text: "and Table 3 for earth conductors and earth plates."

5.2.4.1 General conditions for tests

In the last paragraph, replace "Clause A.1" with "Clause A.2" and replace "Clause A.2" with "Clause A.3".

5.2.5.1 General conditions for tests

In the first sentence of the first paragraph and in the second paragraph, delete "of conductor".

In the last paragraph, replace "The dimensions of the conductor" with "The dimensions of the sample".

5.2.6.1 General conditions for tests

In the second sentence, replace "For the testing of air-termination rods and earth lead-in rods" with "For the testing of air-termination conductors, air-termination rods, earth lead-in rods, down conductors, earth-conductors and earth plates".

5.2.6.2 Acceptance criteria

Delete ", for the earth conductors".

5.3.5.1 General conditions for tests

Replace "Clause A.1" with "Clause A.2" and replace "Clause A.2" with "Clause A.3".

5.3.7.1 General conditions for tests

Delete the second sentence beginning with "For the testing".

Annex C

Replace the existing title of Annex C with the following new title:

Requirements and tests for conductors

Table C.1

In the last column, add a reference to Table 2 and 5.5, as follows:

Table C.1 – Summary of requirements for various elements tested according to Table 1 and Table 2

Material	Configuration	Cross-sectional area, mechanical and electrical characteristics, tests to be applied
Copper Tin plated copper	Solid tape Solid round Stranded	Table 1 / Table 2 Tests: Footnotes of Table 1, 5.2.5 / 5.2.6 / 5.5
Aluminium	Solid tape Solid round Stranded	Table 1 / Table 2 Tests: Footnotes of Table 1, 5.2.5 / 5.2.6 / 5.5
Copper coated aluminium alloy	Solid round	Table 1 / Table 2 Tests: Footnotes of Table 1 and Table 2, 5.2.2 / 5.2.3 / 5.2.4 / 5.2.5 / 5.2.6 / 5.5
Aluminium alloy	Solid tape Solid round Stranded	Table 1 / Table 2 Tests: Footnotes of Table 1, 5.2.5 / 5.2.6 / 5.5
Hot dipped galvanized steel	Solid tape Solid round Stranded	Table 1 / Table 2 Tests: Footnotes of Table 1, 5.2.2 / 5.2.3 / 5.2.4 / 5.2.5 / 5.2.6 / 5.5
Copper coated steel	Solid round Solid tape	Table 1 / Table 2 Tests: Footnotes of Table 1 and Table 2, 5.2.2 / 5.2.3 / 5.2.4 / 5.2.5 / 5.2.6 / 5.5
Stainless steel	Solid tape Solid round Stranded	Table 1 / Table 2 Tests: Footnotes of Table 1, 5.2.5 / 5.2.6 / 5.5

Annex D

Replace the existing title of Annex D with the following new title:

Requirements and tests for earth electrodes

Table D.1

In the last column, modify the references and replace the date of IEC 62561-1 with 2017, as follows:

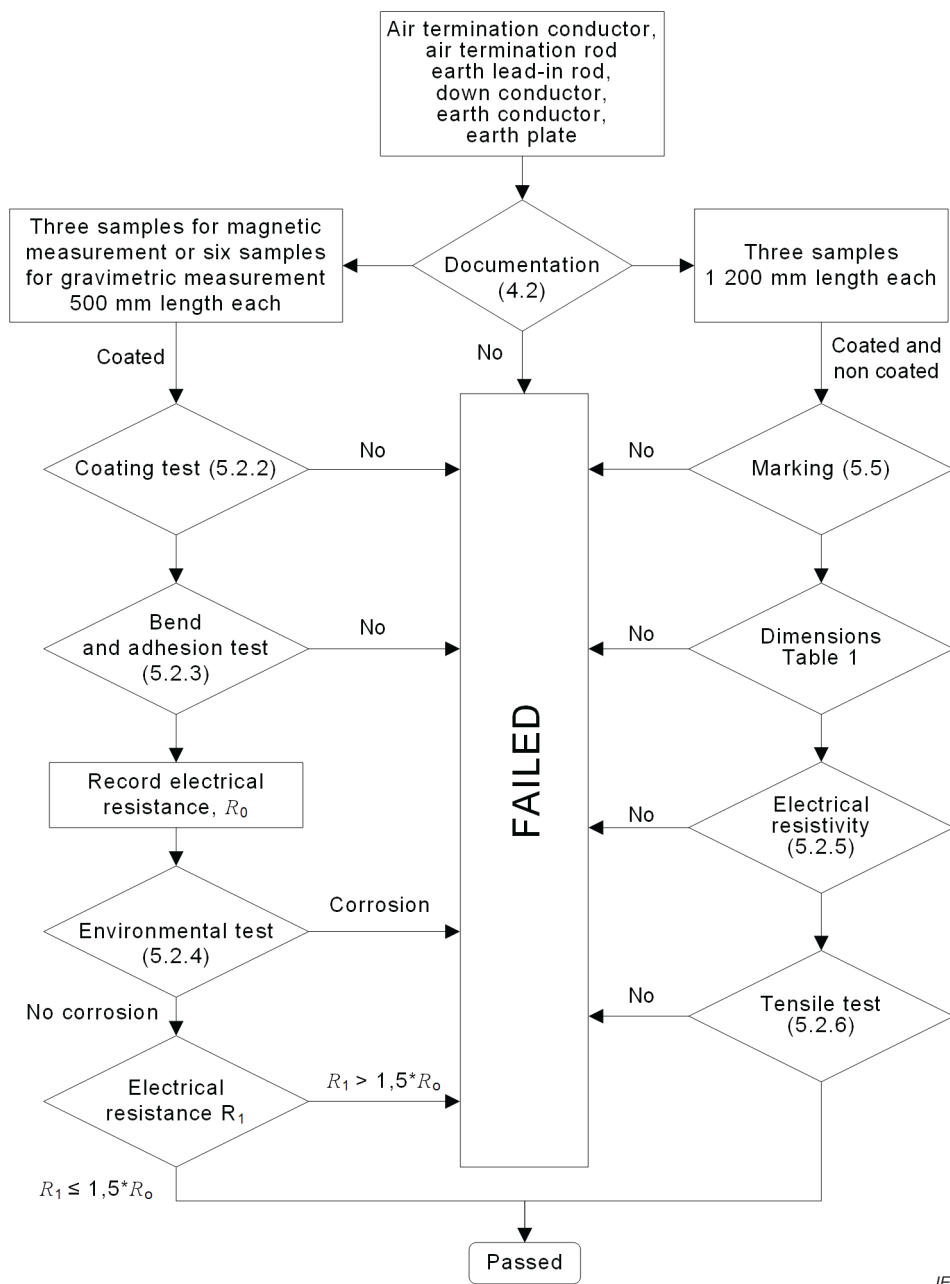
Table D.1 – Summary of requirements for various elements tested according to Table 2 and Table 3

Material	Configuration	Application	Dimensions, mechanical electrical characteristics, tests to be applied
Copper	Solid round Solid round Solid tape Pipe Solid plate Lattice plate Stranded	Earth conductor Earth rod Earth conductor Earth rod Earth plate Earth plate Earth conductor	Table 2 / Table 3 Tests: Footnotes of Table 3, 5.2.5 / 5.2.6 / 5.3.6 / 5.3.7 / 5.5

Galvanized steel	Solid round Solid tape Solid plate Lattice plate Stranded	Earth conductor Earth conductor Earth plate Earth plate Earth conductor	Table 2 / Table 3 Tests: Footnotes of Table 3, 5.2.2 / 5.2.3 / 5.2.4 / 5.2.5 / 5.2.6 / 5.5
Galvanized steel	Solid round Pipe Profile	Earth rod Earth rod Earth rod	Table 2 / Table 3 Tests: Footnotes of Table 3, 5.3.2 / 5.3.5 / 5.3.6 / 5.3.7 / 5.5
Bare steel	Solid round Solid tape	Earth conductor Earth conductor	Table 2 / Table 3 Tests: Footnotes of Table 3, 5.2.5 / 5.2.6 / 5.5
Copper coated steel	Solid round	Earth rod	Table 2 / Table 3 Tests: Footnotes of Table 2 and Table 3, 5.3.2 / 5.3.3 / 5.3.4 / 5.3.5 / 5.3.6 / 5.3.7 / 5.3.8 / 5.5
Copper coated steel	Solid round Solid tape	Earth conductor Earth conductor	Table 2 / Table 3 Tests: Footnotes of Table 2 and Table 3, 5.2.2 / 5.2.3 / 5.2.4 / 5.2.5 / 5.2.6 / 5.5
Stainless steel	Solid round Solid round Solid tape	Earth conductor Earth rod Earth conductor	Table 2 / Table 3 Tests: Footnotes of Table 3, 5.2.5 / 5.2.6 / 5.3.6 / 5.3.7 / 5.5
Couplers for earth rods	————	————	Tests: Footnotes of Table 3, 5.4.2 / 5.4.3 / 5.4.4 / 5.4.5 / 5.5 In addition tests according to IEC 62561-1:2017, 6.3

Annex E

Replace Figure E.1 with the following new Figure E.1:



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Figure E.1 – Flow chart of tests for air-termination conductors, air-termination rods, earth lead-in rods, down-conductors, earth conductors and earth plates

Annex F

Replace Figure F.1 with the following new Figure F.1:

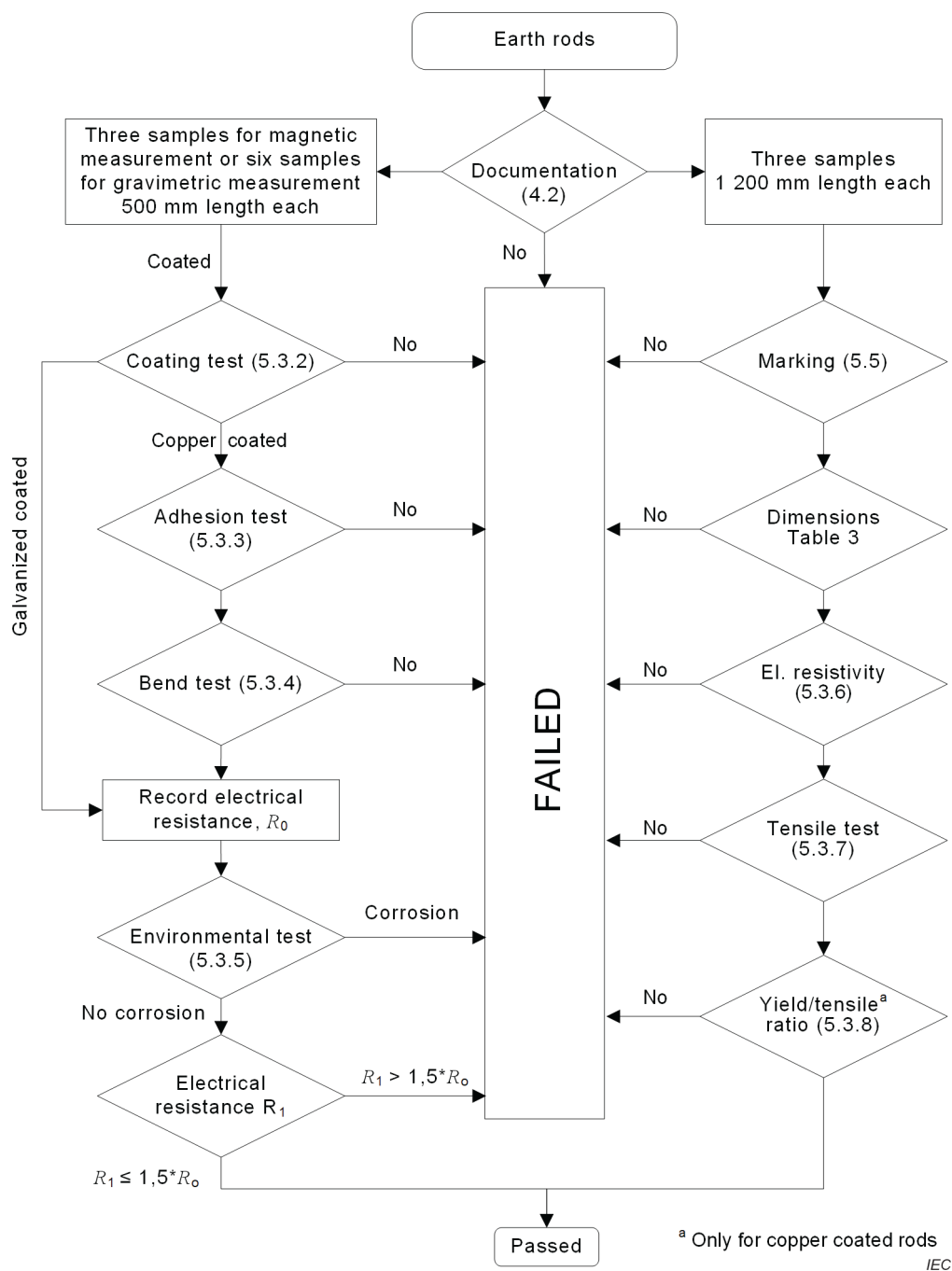


Figure F.1 – Flow chart of tests for earth rods